

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number  
**WO 2005/046579 A2**

(51) International Patent Classification<sup>7</sup>:

A61K

(21) International Application Number:

PCT/US2004/033224

(22) International Filing Date: 6 October 2004 (06.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/509,308 6 October 2003 (06.10.2003) US

(71) Applicant (for all designated States except US): **GANGA-GEN, INC.** [US/US]; 3279 Emerson, Palo Alto, California 94306 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JAYASHEELA, M.** [IN/IN]; 74-Govindappa Road, A-3; Tejasvi Apartments, Basavanagudi, Bangalore 560004 (IN). **SRIRAM, Bharathi** [IN/IN]; Block "B", 3rd Main Road, Flat F1, Aashiyana Apartments, No. 10, Sanjay Nagar, Bangalore 560094 (IN). **PADMANABHAN, Sriram** [IN/IN]; Block "B", 3rd Main Road, Flat F1, Aashiyana Apartments, No. 10, Sanjay Nagar, Bangalore 560094 (IN).

(74) Agents: **BASTIAN, Kevin, L.** et al.; Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, California 94111 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/046579 A2

(54) Title: DEFINED DOSE THERAPEUTIC PHAGE

(57) Abstract: The invention provides therapeutic, defined-dose anti-bacterial phage preparations, methods to make such preparations, methods to treat bacterial infections using such preparations and methods to diagnose bacterial infections using such preparations.